

Listing of Claims:

1. (Currently Amended) A cellular phone comprising:
voice communication means for transmitting and receiving
data concerning voice communication and carrying out voice
communication;

5 information communication means for transmitting and
receiving data concerning information communication, which
includes an image, and carrying out information communication,
which is different from voice communication ~~and includes an~~
~~image~~;

10 first display means disposed in a phone main body, for
displaying the data concerning voice communication;

second display means, larger than the first display means,
for ~~enlarging and~~ displaying details of the data concerning
information communication;

15 operation means, removably attached to the phone main body,
for inputting instructions including characters; and

transmission/reception means for transmitting/receiving
information between the operation means and the phone main body.

2. (Currently Amended) The cellular phone according to
claim 1, wherein the second display means comprises a display

section surface rotatably disposed in an attaching section in the phone main body; [[,]] and

5 wherein the cellular phone further comprises structure means for containing the second display means in the phone main body, when the operation means is attached to the phone main body, and for rotating the display ~~part~~ section surface to set the second display means in a ~~state~~ position in which the display is
10 possible, when the operation means is detached from the phone main body.

3. (Currently Amended) The cellular phone according to claim 2 1, wherein the second display means comprises:

a projection display section disposed in the phone main body; and

5 a magnification reflective mirror section which is rotatably disposed in ~~the~~ an attaching section in the phone main body ~~and which is set in a state~~ so as to be rotatable to a position opposite to the projection display section; [[,]] and ~~the~~

10 wherein the cellular phone further comprises structure means ~~folds~~ for folding and ~~contains~~ containing the magnification reflective mirror section in the phone main body, when the operation means is attached to the phone main body, and ~~sets the surface of~~ for positioning the magnification reflective mirror section ~~into a state~~ in the position opposite to the projection

15 display section, when the operation means is detached from the
phone main body.

4. (Currently Amended) The cellular phone according to
claim 2 1, wherein the second display means comprises:

a display section; and

5 a direct view type magnification optical section disposed
opposite to the display section; [[,]] and ~~the~~

wherein the cellular phone further comprises structure means
~~folds~~ for folding and ~~contains~~ containing the display section and
magnification optical section in the phone main body, when the
operation means is attached to the phone main body, and ~~sets~~ for
10 setting a display surface of the display section and ~~the~~ a
surface of the magnification optical section in ~~such a position~~
positions such that the surfaces ~~form~~ are at a predetermined
angle ~~from the~~ with respect to a surface of the phone main body
and ~~the~~ such that display is possible, when the operation means
15 is detached from the phone main body.

5. (Currently Amended) The cellular phone according to
claim 1, wherein the second display means comprises:

a display section; and

5 a direct view type magnification optical section disposed
opposite to the display section; [[,]] and ~~the~~

10 wherein the cellular phone further comprises structure means
~~contains~~ for containing the magnification optical section in the
phone main body, when the operation means is attached to the
phone main body, and ~~sets~~ for setting the magnification optical
section in a display state position distant from ~~the~~ a display
surface of the display section by a predetermined interval, when
the operation means is detached from the phone main body.

6. (Currently Amended) ~~The~~ A cellular phone ~~according to~~
~~claim 1,~~ comprising:

5 voice communication means for transmitting and receiving
data concerning voice communication and carrying out voice
communication;

information communication means for transmitting and
receiving data concerning information communication, which
includes an image, and carrying out information communication,
which is different from voice communication;

10 first display means disposed in a phone main body, for
displaying the data concerning voice communication;

second display means, larger than the first display means,
for displaying details of the data concerning information
communication;

15 operation means, removably attached to the phone main body,
for inputting instructions including characters; and

transmission/reception means for transmitting/receiving
information between the operation means and the phone main body;

20 wherein the phone main body ~~has~~ includes a first attaching
position ~~in~~ at which the operation means is attached onto a
surface side of the phone main body, and a second attaching
position ~~in~~ at which the operation means is attached onto a rear
surface side of the phone main body ~~in a state~~ after being
detached from the phone main body.

7. (Currently Amended) The cellular phone according to
claim 6, wherein the operation means includes two horizontal
cursor arrow direction keys; [[,]] and

wherein the cellular phone further comprises:

5 means for detecting that the operation means has been
attached to the second attaching position;

change processing means for processing a change of a
code allocation function of the two horizontal cursor arrow
direction keys of the operation means; and

10 code allocation change means for changing the code
allocation function ~~by~~ based on a signal of the detection means
~~to operate~~, when the operation means is attached to the second
attaching position.

8. (Currently Amended) The cellular phone according to claim 1, further comprising:

attaching detection means for detecting ~~presence/absence of the attaching of~~ whether the operation means ~~with respect is~~ attached to the phone main body;

function key means for associating and allocating input keys of the operation means with respect to a plurality of different function operations; and

selection means for switching ~~an~~ the allocation of the function operations to the input keys to a function input key allocation from a text input key allocation ~~by~~ based on a signal ~~of from~~ the attaching detection means.

9. (Currently Amended) ~~The A~~ cellular phone ~~according to claim 1, further~~ comprising:

voice communication means for transmitting and receiving data concerning voice communication and carrying out voice communication;

information communication means for transmitting and receiving data concerning information communication, which includes an image, and carrying out information communication, which is different from voice communication;

first display means disposed in a phone main body, for displaying the data concerning voice communication;

second display means, larger than the first display means,
for displaying details of the data concerning information
communication;

15 operation means, removably attached to the phone main body,
for inputting instructions including characters;

transmission/reception means for transmitting/receiving
information between the operation means and the phone main body;

20 attaching/detaching detection means for detecting
~~presence/absence of the attaching/detaching of whether the~~
operation means ~~with respect~~ is attached to the phone main body;
and

25 switch means for switching display driving of the first and
second display means based on a signal ~~of~~ from the
attaching/detaching detection means.

10. (Currently Amended) The cellular phone according to
claim 1, further comprising:

5 attaching/detaching detection means for detecting
~~presence/absence of the attaching/detaching of whether the~~
operation means ~~with respect~~ is attached to the phone main body;
and

means for one of starting ~~or~~ and ending a communication
procedure process of the information communication means based on
a signal ~~of~~ from the attaching/detaching detection means.

11. (Currently Amended) ~~The A~~ cellular phone ~~according to claim 1,~~ further comprising:

voice communication means for transmitting and receiving data concerning voice communication and carrying out voice communication;

information communication means for transmitting and receiving data concerning information communication, which includes an image, and carrying out information communication, which is different from voice communication;

first display means disposed in a phone main body, for displaying the data concerning voice communication;

second display means, larger than the first display means, for displaying details of the data concerning information communication;

operation means, removably attached to the phone main body, for inputting instructions including characters;

transmission/reception means for transmitting/receiving information between the operation means and the phone main body;

text conversion means for transferring character data key-inputted in the operation means to the phone main body from the operation means and for subsequently converting the data to a text; and

sentence edition recording means ~~including both~~ for storing
a part of inputted data in a temporary memory ~~in which only a~~
25 ~~part is recorded~~ at a sentence input time and for storing all
inputted sentences in an all sentence memory ~~in which all~~
~~sentences are recorded,~~

wherein the first display means displays the data of the
temporary memory, and the second display means simultaneously
30 displays the data of the all sentence memory.

12. (Currently Amended) The cellular phone according to
claim 1, wherein the transmission/reception means comprises:

radio wave intensity detection means for detecting intensity
of a signal transmitted from the operation means;

5 critical radio wave intensity indication means for
indicating a predetermined critical radio wave intensity;

radio wave intensity comparison means for comparing ~~an~~ the
detected intensity of ~~an output~~ the signal from the ~~radio wave~~
~~intensity detection operation~~ means with ~~that of the output~~
10 ~~signal of the~~ predetermined critical radio wave intensity
~~indication means; and~~

warning means for issuing a warning, when the detected
intensity of the ~~output~~ signal from the ~~radio wave intensity~~
~~detection operation~~ means is lower than ~~that of the output signal~~

15 ~~from the predetermined critical radio wave intensity indication~~
~~means in the radio wave intensity comparison means.~~

13. (Currently Amended) ~~The~~ A cellular phone ~~according to~~
~~claim 1,~~ comprising:

voice communication means for transmitting and receiving
data concerning voice communication and carrying out voice
5 communication;

information communication means for transmitting and
receiving data concerning information communication, which
includes an image, and carrying out information communication,
which is different from voice communication;

10 first display means disposed in a phone main body, for
displaying the data concerning voice communication;

second display means, larger than the first display means,
for displaying details of the data concerning information
communication;

15 operation means, removably attached to the phone main body,
for inputting instructions including characters; and

transmission/reception means for transmitting/receiving
information between the operation means and the phone main body;

wherein the operation means comprises:

20 capacitance use input means for performing an
instruction operation for the second display means on a rear

surface side of the operation means with respect to an operation
surface of the operation means; and

conversion means for converting the a signal ~~of from~~
25 the capacitance use input means into a signal to be transferred;
[[,]] and

wherein the phone main body ~~comprises: instruction operation~~
~~processing means for transferring~~ receives the signal to be
transferred converted by the conversion means ~~by via~~ the
30 transmission/reception means ~~to perform and comprises instruction~~
operation processing means for performing an instruction
operation process of the second display means based on the
received signal.

14. (Currently Amended) ~~The A~~ cellular phone ~~according to~~
~~claim 1,~~ comprising:

voice communication means for transmitting and receiving
data concerning voice communication and carrying out voice
5 communication;

information communication means for transmitting and
receiving data concerning information communication, which
includes an image, and carrying out information communication,
which is different from voice communication;

10 first display means disposed in a phone main body, for
displaying the data concerning voice communication;

second display means, larger than the first display means,
for displaying details of the data concerning information
communication;

15 operation means, removably attached to the phone main body,
for inputting instructions including characters; and

transmission/reception means for transmitting/receiving
information between the operation means and the phone main body;

wherein the operation means comprises:

20 cross operation key means for performing an instruction
operation of the second display means on a rear surface side of
the operation means with respect to an operation surface of the
operation means; and

conversion means for converting a signal outputted from
25 the cross operation key means into a signal to be transferred;
[[,]] and

~~wherein the phone main body comprises: instruction operation~~
~~processing means for transferring~~ receives the signal to be
transferred converted by the conversion means ~~by~~ via the
30 transmission/reception means ~~to perform~~ and comprises instruction
operation processing means for performing an instruction
operation process of the second display means based on the
received signal.

15. (Currently Amended) The cellular phone according to claim 1, wherein the operation means comprises:

pattern code reader means for reading a binary pattern code; and

5 conversion means for converting read signal information read by the pattern code reader means into a signal to be transferred; ~~[[,]]~~ and

~~wherein the phone main body comprises: decode means for transferring~~ receives the signal to be transferred converted by
10 the conversion means ~~to the phone main body by~~ via the transmission/reception means ~~to decode process~~ and comprises decode means for decoding and processing the received signal ~~to be transferred~~ as a pattern code signal.

16. (Currently Amended) The cellular phone according to claim 1, wherein the operation means comprises:

an optical mouse ~~means~~ section; and

conversion means for converting a distance information
5 signal corresponding to movement of the operation means into a signal to be transferred, and

~~wherein the phone main body comprises: means for transferring~~ receives the signal to be transferred converted by
the conversion means ~~in~~ via the transmission/reception means and
10 comprises means for decoding the received signal as a distance

information signal to perform an operation process of the second display means.

17. (Currently Amended) A cellular phone comprising:

a voice communication section which carries out voice communication and communication of call information ~~for the call including voice~~;

5 an information communication section which carries out ~~the~~ communication of ~~the~~ information other than the call information, including an image to be displayed;

a first display section which is disposed in a phone main body to display the call information ~~for the call~~;

10 a second display section which ~~enlarges~~ is larger than the first display section and displays details of the information including the image to be displayed;

15 an operation key unit which is attachable/detachable with respect to the phone main body and which inputs at least one of character information ~~or~~ and instruction information; and

a transmission/reception section which transmits/receives the at least one of character information ~~or~~ and instruction information between the operation key unit and the phone main body.

18. (Currently Amended) The cellular phone according to claim 17, wherein the second display section comprises a display section surface rotatably disposed in an attaching section in the phone main body; [[,]] and

5 wherein the second display section is contained in the phone main body, when the operation key unit is attached to the phone main body, and the display ~~part~~ section surface is rotated to set the second display section in a ~~state~~ position in which the display is possible, when the operation key unit is detached from
10 the phone main body.

19. (Currently Amended) The cellular phone according to claim ~~18~~ 17, wherein the second display section comprises:

a projection display section disposed in the phone main body; and

5 a magnification reflective mirror section which is rotatably disposed in ~~the~~ an attaching section in the phone main body ~~and which is capable of being set in a state so as to be rotatable to a position~~ opposite to the projection display section; [[,]] and

10 wherein the magnification reflective mirror section is folded and contained in the phone main body, when the operation key unit is attached to the phone main body, and the ~~surface of~~ the magnification reflective mirror section is ~~set into a state~~

15 positioned in the position opposite to the projection display
section, when the operation key unit is detached from the phone
main body.

20. (Currently Amended) The cellular phone according to
claim ~~18~~ 17, wherein the second display section comprises:

a display section; and

5 a direct view type magnification optical section
disposed opposite to the display section; and [[,]]

wherein the display section and magnification optical
section are folded and contained in the phone main body, when the
operation key unit is attached to the phone main body, and a
display surface of the display section and ~~the~~ a surface of the
10 magnification optical section are set in ~~such a state position~~
positions such that the surfaces ~~form~~ are at a predetermined
angle ~~from the~~ with respect to a surface of the phone main body
and ~~the~~ such that display is possible, when the operation key
unit is detached from the phone main body.

21. (Currently Amended) The cellular phone according to
claim 17, wherein the second display section comprises:

a display section; and

5 a direct view type magnification optical section
disposed opposite to the display section; [[,]] and

wherein the magnification optical section is contained in the phone main body, when the operation key unit is attached to the phone main body, and the magnification optical section is set in a display state position distant from ~~the~~ a display surface of the display section by a predetermined interval, when the operation key unit is detached from the phone main body.

22. (Currently Amended) ~~The~~ A cellular phone ~~according to claim 17,~~ comprising:

a voice communication section which carries out voice communication and communication of call information;

an information communication section which carries out communication of information other than the call information, including an image to be displayed;

a first display section which is disposed in a phone main body to display the call information;

a second display section which is larger than the first display section and displays details of the information including the image to be displayed;

an operation key unit which is attachable/detachable with respect to the phone main body and which inputs at least one of character information and instruction information; and

a transmission/reception section which transmits/receives the at least one of character information and instruction

information between the operation key unit and the phone main body;

20 wherein the phone main body ~~has~~ includes a first attaching position in which the operation key unit is attached onto a surface side of the phone main body, and a second attaching position in which the operation key unit is attached onto a rear surface side of the phone main body ~~in a~~ after being detached
25 ~~state~~ from the phone main body.

23. (Currently Amended) The cellular phone according to claim 22, wherein the operation key unit includes two horizontal cursor arrow direction keys; [[,]] and

wherein the cellular phone further comprises:

5 a rear surface attachment detection section which detects that the operation key unit has been attached to the second attaching position;

 a code change section of a code allocation function of the two horizontal cursor arrow direction keys of the operation
10 key unit; and

 a code allocation change section which changes the code allocation function ~~by~~ based on a signal ~~of~~ from the rear surface attachment detection section ~~to operate~~, when the operation key unit is attached to the second attaching position.

24. (Currently Amended) The cellular phone according to claim 17, further comprising:

an attachment detection section which detects
~~presence/absence of the attachment of whether~~ the operation key
5 ~~with respect~~ unit is attached to the phone main body;

a key input section which associates and allocates input keys of the operation key unit with respect to a plurality of different function operations; and

10 an input key allocation change section which switches the allocation of the function operations to the input keys by the key input section to a function input key allocation from a text input key allocation ~~by~~ based on a signal ~~of~~ from the attachment detection section.

25. (Currently Amended) ~~The A~~ cellular phone ~~according to claim 17, further~~ comprising:

a voice communication section which carries out voice communication and communication of call information;

5 an information communication section which carries out communication of information other than the call information, including an image to be displayed;

a first display section which is disposed in a phone main body to display the call information;

10 a second display section which is larger than the first
display section and displays details of the information including
the image to be displayed;

an operation key unit which is attachable/detachable with
respect to the phone main body and which inputs at least one
15 of character information and instruction information;

a transmission/reception section which transmits/receives
the at least one of character information and instruction
information between the operation key unit and the phone main
body;

20 an attachment detection section which detects
~~presence/absence of the attachment/detachment of whether~~ the
operation ~~section with respect~~ key unit is attached to the phone
main body; and

 a control section which switches display driving of the
25 first and second display sections based on a signal ~~of~~ from the
attachment detection section.

26. (Currently Amended) The cellular phone according to
claim 17, further comprising:

 an attachment detection section which detects
~~presence/absence of the attachment/detachment of whether~~ the
5 operation key ~~with respect~~ unit is attached to the phone main
body; and

10 a control section which one of starts ~~or~~ and ends a
communication procedure process of the information communication
section based on a signal ~~of~~ from the attachment detection
section.

27. (Currently Amended) ~~The~~ A cellular phone ~~according to~~
~~claim 17, further~~ comprising:

a voice communication section which carries out
voice communication and communication of call information;

5 an information communication section which carries out
communication of information other than the call information,
including an image to be displayed;

a first display section which is disposed in a phone main
body to display the call information;

10 a second display section which is larger than the first
display section and displays details of the information including
the image to be displayed;

15 an operation key unit which is attachable/detachable with
respect to the phone main body and which inputs at least one
of character information and instruction information;

a transmission/reception section which transmits/receives
the at least one of character information and instruction
information between the operation key unit and the phone main
body;

20 a text processing section which transfers character data
key-inputted ~~by~~ in the operation key unit to the phone main body
from the operation key unit and which subsequently converts the
data to a text; and

 a sentence edition memory including both a temporary memory
25 in which only a part of inputted data is recorded at a sentence
input time and an all sentence memory in which all inputted
sentences are recorded; [[,]]

 wherein the first display section displays the data of the
temporary memory, and the second display section simultaneously
30 displays the data of the all sentence memory.

28. (Currently Amended) The cellular phone according to
claim 17, wherein the transmission/reception section comprises:

 a reception level detection section which detects an
intensity of a signal transmitted from the operation key unit;

5 a warning level setting section which indicates a
predetermined critical radio wave intensity;

 a comparison section which compares ~~an~~ the detected
intensity of ~~an output~~ the signal from the ~~reception level~~
~~detection section~~ operation key unit with ~~that of the output~~
10 ~~signal of the warning level setting section~~ the predetermined
critical radio wave intensity; and

a warning ~~on~~ generation section which issues a warning, when the detected intensity of the ~~output~~ signal from the ~~reception level detection section~~ operation key unit is lower than ~~that of the output signal from the warning level setting section in the comparison section~~ the predetermined critical radio wave intensity.

29. (Currently Amended) ~~The~~ A cellular phone ~~according to claim 17,~~ comprising:

a voice communication section which carries out voice communication and communication of call information;

an information communication section which carries out communication of information other than the call information, including an image to be displayed;

a first display section which is disposed in a phone main body to display the call information;

a second display section which is larger than the first display section and displays details of the information including the image to be displayed;

an operation key unit which is attachable/detachable with respect to the phone main body and which inputs at least one of character information and instruction information; and

a transmission/reception section which transmits/receives the at least one of character information and instruction

information between the operation key unit and the phone main body;

20 wherein the operation key unit comprises:

 a capacitance input section which performs an instruction operation for the second display section on a rear surface side of the operation key unit with respect to an operation surface of the operation key unit; and

25 an XY code conversion section which converts a signal ~~of from~~ the capacitance input section into a signal to be transferred; [[,]] and

~~wherein the phone main body comprises: a control section which transfers~~ receives the signal to be transferred converted
30 by the XY code conversion section ~~by via~~ the transmission/reception section and comprises a control section to perform an instruction operation process of the second display section based on the received signal.

30. (Currently Amended) ~~The A~~ cellular phone ~~according to claim 17,~~ comprising:

a voice communication section which carries out voice communication and communication of call information;

5 an information communication section which carries out communication of information other than the call information, including an image to be displayed;

a first display section which is disposed in a phone main body to display the call information;

10 a second display section which is larger than the first display section and displays details of the information including the image to be displayed;

15 an operation key unit which is attachable/detachable with respect to the phone main body and which inputs at least one of character information and instruction information; and

a transmission/reception section which transmits/receives the at least one of character information and instruction information between the operation key unit and the phone main body;

20 wherein the operation key unit comprises:

a cross key section which performs an instruction operation of the second display section on a rear surface side of the operation key unit with respect to an operation surface of the operation key unit; and

25 an XY code conversion section which converts a signal outputted from the cross key section into a signal to be transferred; [[,]] and

~~wherein the phone main body comprises: a control section which transfers~~ receives the signal to be transferred converted
30 by the XY code conversion section ~~by~~ via the transmission/
 reception section and comprises a control section to perform an

instruction operation process of the second display section based on the received signal.

31. (Currently Amended) The cellular phone according to claim 17, wherein the operation key unit comprises:

a pattern code reader section which reads a binary pattern code; and

5 a conversion section ~~for data to be transferred~~ which converts read signal information read by the pattern code reader section into a signal to be transferred; [[,]] and

wherein the phone main body ~~comprises: a barcode decode section which transfers~~ receives the signal to be transferred converted by the conversion section ~~for the data to be transferred to the phone main body by~~ via the transmission/reception section ~~to decode process~~ and comprises a barcode decode section which decodes and processes the received signal to ~~be transferred~~ as a pattern code signal.

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32. (Currently Amended) The cellular phone according to claim 17, wherein the operation key unit comprises:

an optical mouse section; and

a conversion section ~~for data to be transferred~~ which converts a distance information signal corresponding to movement

of the operation key unit into a signal to be transferred; [[,]]
and

wherein the phone main body ~~comprises: a control section~~
~~which transfers~~ receives the signal to be transferred converted
by the conversion section ~~for the data to be transferred in via~~
the transmission/reception section and comprises a control
section which decodes the received signal as a distance
information signal to perform an operation process of the second
display section.